

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---------------------------------|------------------|---------|------------------|
| S1 | 1 | "6657198".pn. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/06 11:11 |
| S2 | 1 | US-20040079887-A1.did. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/03/21 10:52 |
| S3 | 3 | ("5107118" "6064488" "6292756").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/04/05 09:32 |
| S4 | 50 | ("4840137" "5542828" "4259963" RE31879 "5433787" "4329625" "4459789" "4550990" "5397536" "5725445" "5820625" "5891082" "5900124" "6099480" "6108096" "6228541" "4293633" "4357104" "4546417" "4793910" "4810924" "4836012" "4861261" "4942284" RE33415 "5233450" "5241360" RE34541 "5387837" "5402905" "5525156" "5585148" "5632950" "5725989" "5733796" "5812314" "4285029" "4294514" "4329316" "4341862" "4343873" "4369364" "4378408" "4430414" "4430951" "4439988" "4495420" "4501156" "4509437" "4509855").pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/04/05 09:33 |
| S5 | 264 | 250/338.5.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/05 09:40 |
| S6 | 369 | 250/341.1.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/05 09:40 |
| S7 | 1149 | 250/343.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/05 09:40 |
| S9 | 542 | 250/353.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/05 09:40 |
| S10 | 492 | 250/432R.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/05 09:40 |
| S11 | 393 | 250/435.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/05 09:41 |
| S12 | 286 | 73/1.06.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/05 09:41 |

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|-----|------|--|---------------------------------|----|----|------------------|
| S13 | 455 | 73/29.01.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/05 09:41 |
| S14 | 263 | 73/29.02.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/05 09:41 |
| S15 | 71 | 73/335.01.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/05 09:41 |
| S16 | 737 | 356/436.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/05 09:42 |
| S17 | 677 | 356/437.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/05 09:42 |
| S18 | 138 | 250/339.01.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/05 09:42 |
| S19 | 131 | 250/339.06.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/05 09:42 |
| S20 | 320 | 250/339.07.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/05 09:42 |
| S21 | 155 | 250/339.08.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/05 09:42 |
| S22 | 128 | 250/339.1.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/05 09:43 |
| S23 | 442 | 250/339.12.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/05 09:43 |
| S24 | 350 | 250/339.13.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/05 09:43 |
| S25 | 6161 | S5 S6 S7 S8 S9 S10 S11 S12 S13 S14 S15 S16 S17 S18 S19 S20 S21 S22 S23 S24 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/05 09:43 |
| S26 | 217 | S25 and (water humidity) and ((natural adj gas) methane) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/05 09:44 |
| S27 | 113 | S25 and (water humidity) same ((natural adj gas) methane) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/05 09:49 |
| S28 | 7 | May-Randy.in. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/05 09:49 |

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|-----|-------|--|---------------------------------|----|----|------------------|
| S29 | 21 | May-Randy-\$.in. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/05 09:49 |
| S30 | 0 | ("6657198").URPN. | USPAT | OR | ON | 2005/04/05 10:02 |
| S34 | 158 | harmonic with spectroscopy | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/05 10:03 |
| S35 | 0 | S34 with ((natural adj gas) methane) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/05 10:03 |
| S36 | 1 | S34 with (water humidity) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/05 10:40 |
| S37 | 0 | ("2004/0079887").URPN. | USPAT | OR | ON | 2005/04/05 10:38 |
| S38 | 1 | DE-3413814-A1.did. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/05 10:43 |
| S39 | 10760 | detect\$3 with ((water adj vapor) humidity) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/05 10:42 |
| S44 | 1 | DE-3413914-A1.did. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/05 10:43 |
| S46 | 436 | S39 and ((natural adj gas) methane) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/05 10:54 |
| S50 | 143 | S39 and ((natural adj gas) methane) same ((water adj (vapor molecule)) humidity) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/05 10:55 |
| S51 | 268 | (InGaAs with detector) and (infrared infra-red) and (water humidity) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/05 12:42 |
| S52 | 90 | S51 and @ad<="20000828" | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/05 12:43 |
| S53 | 90 | S52 and (wavelength range) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/05 12:44 |
| S54 | 6 | ("4535620").URPN. | USPAT | OR | ON | 2005/04/05 13:10 |
| S55 | 6 | ("5107118").URPN. | USPAT | OR | ON | 2005/04/05 13:14 |
| S56 | 2 | ("6292756").URPN. | USPAT | OR | ON | 2005/04/05 13:15 |
| S57 | 2 | ("6292756").URPN. | USPAT | OR | ON | 2005/04/05 13:15 |
| S58 | 0 | ("6657198").URPN. | USPAT | OR | ON | 2005/04/05 13:15 |
| S59 | 1 | ("5026991").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/04/05 13:19 |
| S60 | 26 | ("5528040").URPN. | USPAT | OR | ON | 2005/04/05 13:19 |

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|-----|-------|--|---------------------------------|----|----|------------------|
| S61 | 5 | ("5317156").PN. OR ("5821537").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/04/05 13:23 |
| S62 | 24 | ("3524066" "3994603" "4812665" "4934816" "4937461" "4990780" "5024526" "5045703" "5065025" "5173749" "5220402" "5241851" "5294289" "5331409" "5352902" "5453621" "5459574" "5485276" "5517314" "5536359" "5550636" "5561527" "5578829").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/04/05 13:24 |
| S63 | 5 | ("5880850").URPN. | USPAT | OR | ON | 2005/04/05 13:24 |
| S64 | 11 | ("5578829").URPN. | USPAT | OR | ON | 2005/04/05 13:25 |
| S65 | 6772 | (natural adj gas) and (pipeline pipe line) and test and (water moisture humidity vapor) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/06 10:38 |
| S67 | 893 | (natural adj gas) same (pipeline pipe line) and test same (water moisture humidity vapor) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/06 10:33 |
| S68 | 453 | S67 and (natural adj gas) same (water moisture humidit) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/06 10:34 |
| S69 | 266 | S67 and (natural adj gas) with (water moisture humidit) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/06 10:38 |
| S70 | 12 | S69 and laser | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/06 10:38 |
| S71 | 21684 | (natural adj gas) and (pipeline pipe line) and (water moisture humidity vapor) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/06 10:38 |
| S72 | 3528 | (natural adj gas) same (pipeline pipe line) same (water moisture humidity vapor) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/06 10:38 |
| S73 | 1951 | S72 and (natural adj gas) with (water moisture humidit) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/06 10:38 |
| S74 | 42 | S73 and laser | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/06 10:38 |
| S75 | 36 | S74 not S70 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/06 10:38 |
| S76 | 0 | Ep-0685728-\$.did. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/06 11:11 |

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|-----|---|-------------------|---------------------------------|----|----|------------------|
| S77 | 1 | Ep-685728-\$.did. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/04/06 11:11 |
|-----|---|-------------------|---------------------------------|----|----|------------------|

Wed, 6 Apr 2005, 10:27:29 AM EST

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| | | Results |
|---------------------|---|---------|
| #1 | (may r.<in>au) | 29 |
| #2 | (may r.<in>au) | 29 |
| #3 | (~~natural gas~~ water<in>metadata) <and> (laser<in>metadata) | 0 |
| #4 | (~~natural gas~~ water<IN>metadata) | 0 |
| #5 | (water<IN>metadata) | 14365 |
| #6 | (~~natural gas~~<in>metadata) <and> (water<in>metadata) | 29 |
| #7 | (~~natural gas~~<in>metadata) <and> (water<in>metadata) | 29 |
| #8 | (~~natural gas~~<in>metadata) <and> (humidity<in>metadata) | 0 |
| #9 | (water vapor<in>metadata) <or> (humidity<in>metadata) <and> (laser<in>metadata) | 906 |
| #10 | ((laser <and> absorption <and> (spectrometer <or> spectrometry) <and> (water <or> moisture <or> humidity)) <in>metadata) | 8 |
| #11 | ((laser <and> absorption <and> (spectrometer <or> spectrometry) <and> (water <or> moisture <or> humidity)) <in>metadata) | 8 |
| #12 | ((laser <and> absorption <and> (spectrometer <or> spectrometry) <and> (water <or> moisture <or> humidity)) <in>metadata) | 8 |
| #13 | ((laser <and> absorption <and> (spectrometer <or> spectrometry) <and> (water <or> moisture <or> humidity)) <in>metadata) | 8 |
| #14 | ((laser <and> absorption <and> (spectrometer <or> spectrometry) <and> (water <or> moisture <or> humidity)) <in>metadata) | 8 |

Advanced Search: INSPEC - 1969 to date (INZZ)

[limit](#)

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| No. | Database | Search term | Info added since | Results | |
|-----|----------|--|------------------|---------|-----------------------------|
| 1 | INZZ | May-Randy-\$.AU. OR May-R-\$.AU. OR May-Randy.AU. OR May-R.AU. | unrestricted | 427 | show titles |
| 2 | INZZ | 1 AND (laser OR natural ADJ gas) | unrestricted | 51 | show titles |
| 3 | INZZ | laser ADJ absorption ADJ spectroscopy | unrestricted | 695 | show titles |
| 4 | INZZ | natural ADJ gas | unrestricted | 5759 | show titles |
| 5 | INZZ | water OR moisture OR humidity | unrestricted | 257401 | show titles |
| 6 | INZZ | 3 AND 4 AND 5 | unrestricted | 0 | - |
| 7 | INZZ | 4 AND 5 | unrestricted | 660 | show titles |
| 8 | INZZ | 3 AND 4 | unrestricted | 0 | - |
| 9 | INZZ | 7 AND laser | unrestricted | 5 | show titles |

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- ☐ Classification codes A: Physics, 4-5
- ☐ Classification codes A: Physics, 6
- ☐ Classification codes A: Physics, 7
- ☐ Classification codes A: Physics, 8
- ☐ Classification codes A: Physics, 9
- ☐ Classification codes B: Electrical & Electronics, 0-5
- ☐ Classification codes B: Electrical & Electronics, 6-9
- ☐ Classification codes C: Computer & Control
- ☐ Classification codes D: Information Technology
- ☐ Classification codes E: Manufacturing & Production
- ☐ Treatment codes

- ➔ INSPEC sub-file
- ➔ Publication types
- ➔ Language of publication

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